

INFORMATION DISCLOSURE STATEMENT

| | | |
|----------------|---|--|
| Applicant | : | Poponin |
| App. No. | : | Unknown |
| Filed | : | Herewith |
| For | : | APPARATUS AND METHOD FOR THE ANALYSIS OF NUCLEIC ACIDS HYBRIDIZATION ON HIGH DENSITY NA CHIPS |
| Examiner | : | Unknown |
| Group Art Unit | : | Unknown |

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

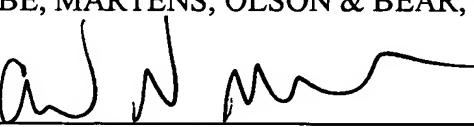
Dear Sir:

Enclosed is form PTO-1449 listing 30 references that are of record in U.S. patent application No. 09/876,298, filed June 7, 2001, which is the parent of this Continuation application, and is relied upon for an earlier filing date under 35 U.S.C. § 120. Copies of the references are not submitted pursuant to 37 C.F.R. § 1.98(d).

This Information Disclosure Statement is being filed with an RCE or within three months of the filing date of this application and no fee is required in accordance with 37 C.F.R. § 1.97(b)(1), (b)(2), or (b)(4).

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

By: 

Andrew N. Merickel
Registration No. 53,317
Attorney of Record
Customer No. 20,995
(415) 954-4114

Dated: February 6, 2004

| | | | |
|---|--|------------------------------------|----------------------------|
| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. VIRTP.002DV1C1 | APPLICATION NO. Unknown |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY) | | APPLICANT Vladimir POPONIN | |
| | | FILING DATE Herewith | GROUP Unknown |

| U.S. PATENT DOCUMENTS | | | | | | | |
|-----------------------|-----|-----------------|----------|-------------------|-------|----------|------------------------------|
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE (IF APPROPRIATE) |
| | 1. | 5,244,636 | 09/14/93 | Walt et al. | 422 | 82.07 | |
| | 2. | 5,629,213 | 05/1997 | Kornguth et al. | 436 | 518 | |
| | 3. | 5,695,940 | 12/09/97 | Dramanc et al. | 435 | 6 | |
| | 4. | 5,814,516 | 09/29/98 | Vo-Dinh | 435 | 287.2 | |
| | 5. | 5,821,060 | 10/13/98 | Arlinghaus et al. | 435 | 6 | |
| | 6. | 5,866,330 | 02/02/99 | Kinzler et al. | 435 | 6 | |
| | 7. | 5,871,628 | 02/16/99 | Dabiri et al. | 204 | 461 | |
| | 8. | 5,874,219 | 02/23/99 | Rava et al. | 435 | 6 | |
| | 9. | 5,905,024 | 05/18/99 | Mirzabekov et al. | 435 | 6 | |
| | 10. | 5,908,745 | 06/01/99 | Mirzabekov et al. | 435 | 6 | |
| | 11. | 5,919,626 | 07/06/99 | Shi et al. | 435 | 6 | |
| | 12. | 5,928,862 | 07/27/99 | Morrison | 435 | 6 | |
| | 13. | 5,932,711 | 08/03/99 | Boles et al. | 536 | 22.1 | |
| | 14. | 5,952,174 | 09/14/99 | Nikiforov et al. | 435 | 6 | |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|-------------------|---------|---------|-------|----------|-------------|----|
| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
| | | | | | | YES | NO |
| | 15. WO 9705280 A1 | 02/1997 | WO | | | | |

| EXAMINER INITIAL | OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) |
|------------------|---|
| | 16. Adams, M.D., "Expressed Sequence Tags as Tools for Physiology and Genomics," <u>The Institute for Genomic Research</u> , Chapter 10, pp. 71-76. |
| | 17. Bauer et al., "Microarray based optical biochip with nanometric resolution," <u>Institut fur Biochemie und Molekulare Zellbiologie, Universitat Wien</u> . |
| | 18. Bauer et al., "Optical Nanocluster Microchips for Human Diagnostics," <u>Institut fur Biochemie und Molekulare Zellbiologie und Ludwig Boltzmann-Forschungsstelle fur Biochemie, Universitat Wien</u> . |
| | 19. Bej, A. K., "Nucleic Acid Hybridizations: Principles and Strategies," <u>Nucleic Acid Analysis: Principles and Bioapplications</u> , pp. 1-29 (1996). |

| | |
|--|-----------------|
| EXAMINER | DATE CONSIDERED |
| *EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT. | |

| | | | |
|--|--|------------------------------------|----------------------------|
| FORM PTO-1449 | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. VIRTP.002DV1C1 | APPLICATION NO. Unknown |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | APPLICANT Vladimir POPONIN | |
| (USE SEVERAL SHEETS IF NECESSARY) | | FILING DATE Herewith | GROUP Unknown |

| EXAMINER INITIAL | OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) |
|------------------|---|
| | 20. Chumanov et al., "Surface Enhanced Raman Scattering for Discovering and Scoring Single Base Differences in DNA," <u>Proceedings SPIE</u> , Vol. 3608 (1999). |
| | 21. Cotton et al., "Application of Surface-Enhanced Raman Spectroscopy to Biological Systems," <u>Journal of Raman Spectroscopy</u> , Vol. 22, pp. 729-742 (1991). |
| | 22. Deckert et al., 'Near-Field Surface Enhanced Raman Imaging of Dye-Labeled DNA with 100-nm Resolution,' <u>Analytical Chemistry</u> , Vol. 70, pp. 2646-2650 (1998). |
| | 23. Dramanc et al., "Sequencing by Hybridization," <u>Integral Genetics Group, Biological and Medical Research Division, Argonne National Laboratory</u> , Chapter 4, pp. 29-36. |
| | 24. Emory et al., "Near-Field Surface-Enhanced Raman Spectroscopy on Single Silver Nanoparticles," <u>Anal. Chem.</u> , Vol. 69, pp. 2631-2635 (1997). |
| | 25. Guschin et al., "Manual Manufacturing of Oligonucleotide, DNA, and Protein Microchips," <u>Analytical Biochemistry</u> , Vol. 250, pp. 203-211 (1997). |
| | 26. Kneipp et al., "Single Molecule Detection Using Surface-Enhanced Raman Scattering (SERS)," <u>The American Physical Society</u> , Vol. 78, No. 9 (1997). |
| | 27. Kneipp et al., "Surface Enhanced Raman Spectroscopy on Nucleic Acids and Related Compounds Adsorbed on Colloidal Silver Particles," <u>Journal of Molecular Structure</u> , Vol. 244, pp. 183-192 (1991). |
| | 28. Martin-Gallardo et al., "Shotgun Sequencing," <u>Human Genome Center, Biology and Biotechnology Program, Lawrence Livermore National Laboratory</u> , Chapter 5, pp. 37-41. |
| | 29. Thomas, G. J., Jr., "Raman Spectroscopy of Protein and Nucleic Acid Assemblies," <u>Annu. Rev. Biophys. Biomol. Struct.</u> , Vol. 28, pp. 1-27 (1999). |
| | 30. Vo-Dinh et al., "Surface-Enhanced Raman Gene Probes," <u>Anal. Chem.</u> , Vol. 66, pp. 3379-3383 (1994). |

W:\DOCS\ANMANM-6541.DOC

020604

[W:\DOCS\ANM\ANM-2534.DOC:120701]

| | |
|--|-----------------|
| EXAMINER | DATE CONSIDERED |
| *EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT. | |